

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

10/568,827

INTERNATIONAL APPLICATION NO.  
PCT/CH2004/000536INTERNATIONAL FILING DATE  
23 August 2004PRIORITY DATE CLAIMED  
22 August 2003

## TITLE OF INVENTION

PLANT-DERIVED PEPTIDES HARBORING WATER-CLEANING AND ANTIMICROBIAL ACTIVITIES

## APPLICANT(S) FOR DO/EO/US

MERMOD et al

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The U.S. has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a.  is attached hereto (      pages specification, claims & abstract (      claims),      sheets drawings).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))
  - a.  is attached hereto (      pages specification, claims & abstract (      claims),      sheets drawings,      page Certificate of Translation).
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has **NOT** expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. a.  **An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).**
  - b.  Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (      page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 To 20 below concern document(s) or information included:**

11.  An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. a.  A **FIRST** preliminary amendment.
- b.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
14.  An Application Data Sheet under 37 C.F.R. § 1.76.
15.  A substitute specification.
16.  A change of power of attorney and/or address letter.
17.  **A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.**
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information. **RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS; COPY OF NOTIFICATION OF MISSING REQUIREMENTS**

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER				
10/568,827	PCT/CH2004/000536	2590-150				
<input checked="" type="checkbox"/> The following fees are submitted:						
<b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b>						
21. <input type="checkbox"/> Basic national fee .....	\$300.00 (1631)/\$150.00 (2631)	\$				
22. <input type="checkbox"/> Examination Fee .....	\$0 (1643/2643)	\$				
	\$200.00 (1633)/\$100.00 (2633)	\$				
23. <input type="checkbox"/> Search Fee .....	\$0 (1640/2640)	\$				
	\$100 (1641)/\$50 (2641)	\$				
	\$400 (1642)/\$200 (2642)	\$				
	\$500.00 (1632)/\$250.00 (2632)	\$				
<b>TOTAL OF ABOVE CALCULATIONS</b>						
<b>\$ 0.00</b>						
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE			
0 -100	0 /50 =	0.00	\$0.00 (1681)		\$	
			\$0.00 (2681)			
Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e).					\$	
CLAIMS	NUMBER FILED		# EXTRA	RATE		
Total Claims	13	minus 20	0 X	\$50.00 (1615)/	\$25.00 (2615)	\$
		=				
Independent Claims	5	minus 5 =	0 X	\$200.00 (1614)	\$100.00 (2614)	\$
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)				\$360.00 (1616)/\$180.00 (2616)		\$ 0.00
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)						
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.						
Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f). + 0.00						
<b>TOTAL NATIONAL FEE = \$ 0.00</b>						
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + \$ 0.00						
Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453) \$ 0.00						
<b>TOTAL FEES ENCLOSED = \$ 0.00</b>						
Amount to be: refunded: \$  Amount to be: Charged: \$						
U.S. Application No.10/568,827; Atty Docket No.2590-150						
a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$____ to cover the above fees. A duplicate copy of this form is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A <u>duplicate</u> copy of this form is enclosed. d. <input type="checkbox"/> CREDIT CARD PAYMENT FORM ATTACHED.						
Direct all correspondence to:						
<input checked="" type="checkbox"/> Customer Number: <b>23117</b> Type Customer Number here						
 <b>Gary R. Tanigawa</b> NAME						
Telephone: (703) 816-4000 GRT:ap						
43,180 <b>August 18, 2006</b> REGISTRATION NUMBER Date						

2590-150

DAB  
8/17

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/568,827	Nicolas Mermud	2590-150
INTERNATIONAL APPLICATION NO.		
PCT/CH04/00536		
I.A. FILING DATE		PRIORITY DATE
08/23/2004		08/22/2003
CONFIRMATION NO. 6727		
371 FORMALITIES LETTER		
 *OC000000019729567*		

Date Mailed: 07/25/2006

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 02/22/2006
- Copy of the International Search Report filed on 02/22/2006
- Preliminary Amendments filed on 02/22/2006
- Information Disclosure Statements filed on 02/22/2006
- Biochemical Sequence Listing filed on 02/22/2006
- Request for Immediate Examination filed on 02/22/2006
- U.S. Basic National Fees filed on 02/22/2006
- Priority Documents filed on 02/22/2006

DC SHEDLO

CLIA NUMBER # 2590-150  
 MAIL DATE 7/25/06  
 TUE DATE Sept. 25, 2006  
 FINAL DUE DATE Feb. 25, 2007  
 DC DATE 08/22/06  
 JD/LW

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- This application does not contain a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Applicant must provide such statement. If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and

a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

Telephone: (703) 308-9140 EXT 208

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/568,827	PCT/CH04/00536	2590-150